

PATENT
858610-2003.2

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Tang et al.
Filed : January 18, 2002
Serial No. : 10/052,323
For : IMMUNIZATION OF ANIMALS BY TOPICAL
APPLICATION OF A SALMONELLA-BASED VECTOR
Art Unit : To Be Determined
Examiner : To Be Determined

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

The Examiner's attention is respectfully directed to the documents which are set forth on the accompanying form PTO-1449. Since these documents were forwarded to, or cited by, the Examiner in related applications, U.S. Serial No. 09/402,527, filed October 5, 1999, and U.S. Serial No. 09/563,826, filed May 3, 2000 (now U.S. Patent 6,348,450) and a copy of each of these documents should be in the parent application files, no additional copy is being forwarded with this Information Disclosure Statement.

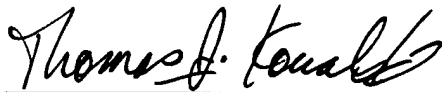
As this Information Disclosure Statement is being filed before the mailing of the first Office Action on the merits, it is believed that no fee is required for entry of this paper. However, the Commissioner is hereby authorized to charge any such fee, or credit any overpayment to Deposit Account 50-0230.

The filing of this Information Disclosure Statement is not an admission that the documents identified herein constitute prior art to the present application.

Applicants respectfully request that the Examiner considers and make of record the documents cited herewith and that a copy of Form PTO-1449 be initialed by the Examiner and returned to the undersigned.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP
Attorney for Applicants

By: 

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(212) 588-0800

Encs. - PTO Form 1449

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LIST OF REFERENCES CITED BY APPLICANT
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	AB	4,797,368	1/10/89	Carter et al.			
	AC	4,775,630	10/4/88	Tibbetts et al			
	AD	4,806,350	2/21/89	Gerber			
	AE	4,863,970	9/5/89	Patel et al			
	AF	4,944,942	7/31/90	Brown et al			
	AG	4,929,442	5/29/90	Powell			
	AH	4,623,541	11/18/86	Elliot et al			
	AI	4,674,490	6/23/87	Frankel et al			
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	AL	5,679,647	10/21/97	Carson et al.			

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	AM	Stephenson, J. "Defective adenoviruses as novel vaccines for the Flaviviridae." Abstract only, Clin Diag. Virol. 15 July 1998, vol. 10, pgs 187-194.
	AN	Saikh et al. "Are DNA-based vaccines useful for protection against secreted bacterial toxins? Tetanus toxin test case." Abstract only, Vaccine. May 1998, Vol. 16, pgs 1029-1038.
	AO	Antohi et al. "The reactivity pattern of hemagglutinin-specific clonotypes from mice immunized as neonates or adults with naked DNA." Abstract only. International Immunology. May 1998, Vol. 10, pgs 663-668, abstract only.
	AP	Fan et al. "Immunization via Hair Follicles by Topical Application of Naked DNA to Normal Skin." Nature Biotechnology. September 1999, vol. 17, pages 870-872, see entire article.
	AQ	Neimiec et al. "Perifollicular Transgenic Expression of Human Interleukin-1 receptor Antagonist Protein following Topical Application of Novel Liposome-Plasmid Formulations in vivo." J. of Pharmaceutical Sciences. June 1997, vol. 86, no. 6, pgs 701-708.
	AR	Scaria et al. "Complementation of a human adenovirus early region 4 deletion mutant in 293 cells using adenovirus-polylysine-DNA complexes. Abstract only", Gene Ther. June 1995, Vol 2, No. 4, pgs 295-298.
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	AV	5,703,055	12/30/97	Felgner et al			
	AW	5,693,622	12/2/97	Wolff et al			
	AX	5,707,812	1/13/98	Horn et al			
	AY	5,817,637	10/6/98	Weiner et al.			
	AZ	5,593,972	1/14/97	Weiner et al.			
	BA	5,804,566	9/8/98	Carson et al.			
	BB	5,505,945	4/9/96	Gristina et al.			
	BC	5,580,859	12/3/96	Felgner et al			
	BD	5,589,466	12/31/96	Felgner et al.			
	BE	5,795,972	8/18/98	Kmiec			
	BF	5,731,181	3/24/98	Kmiec			
	BG	5,830,177	11/3/98	Li et al.			
	BH	5,753,263	5/19/98	Lishko et al			
	BI	5,872,005	2/16/99	Wang et al.			
	BJ	5,206,163	4/27/93	Renard et al.			
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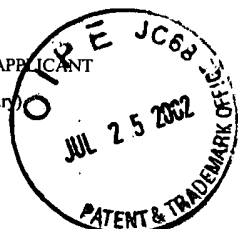
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	CX	5,698,202	12/16/97	Ertl et al.			
	CY	5,585,362	12/17/96	Wilson et al.			
	CZ	5,707,618	1/13/98	Armentano et al.			
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	DG	5,830,877	11/3/98	Carson et al.			
	DH	5,589,466	12/31/96	Felgner et al.			
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	DJ	5,591,439	1/7/97	Plotkin et al.			
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	DL	5,834,256	11/10/98	Finer et al.			
	DM	5,753,263	5/19/98	Lishko et al.			
	DN	5,866,383	2/2/99	Moss et al.			
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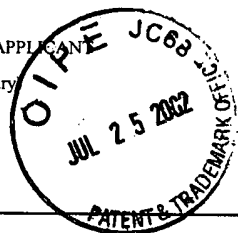
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	ES	4,394,448	7/19/83	Szoka, Jr. et al			

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							YES	NO
	ET	WO 99/15683	4/1/99	WIPO				
	EU	WO 99/08713	2/25/99	WIPO				
	EV	WO 90/11092	10/4/90	WIPO				
	EW	WO 92/11028	7/9/92	WIPO				
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	EY	Alexander et al., "Liposome-mediated Gene Transfer and Expression via the skin," Human Molecular Genetics, 1995, Vol. 4, no. 12, pp. 2279-2285
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	FD	Donnelly et al. (1997) "DNA Vaccines", Life Sciences, vol 60, no. 3, 163-172

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	GB	Yang, N.S. et al., "Gene gun and other non-viral approaches for cancer gene therapy" Nat. Med., vol. 1, no. 5, 481-481, May 1995 (Abstract)	
	GC	Raz et al., "Intradermal gene immunization: The possible role of DNA uptake in the induction of cellular immunity to viruses", Proc. Natl. Acad. Sci. USA, vol. 91, pp. 9519-9523, September 1994	
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	GM	Weiner N., "Targeted follicular delivery of macromolecules via liposomes", International Journal of Pharmaceuticals, vol. 162, pp. 29-38, 1998	
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	GU	Paul et al., "Transdermal immunization with large proteins by means of ultradeformable drug carriers", Eur. J. Immunol., vol. 25, pp. 3521-3524, 1995	
	GV	Sawamura et al., "In Vivo Transfer of a Foreign Gene to Keratinocytes Using the Hemagglutinating Virus of Japan-Liposome Method", The Society for Investigative Dermatology, Inc., pp. 195-199, 1997	
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	GY		Lee et al., "Induction of an antigen-specific, CD1-restricted cytotoxic T lymphocyte response In vivo", J. Exp. Med., vol. 187, no. 3, pp. 433-438, Feb 2, 1998 (Abstract)		
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	HA		Lee et al., "Inhibition of IgE antibody formation by plasmid DNA immunization is mediated by both CD4+ and CD8+ T Cells", Int. Arch Allergy Immunol., vol. 113, nos. 103, pp. 227-230, May-Jul. 1997 (Abstract)		
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	HC		Sato et al., "Immunostimulatory DNA sequences necessary for effective intradermal gene immunization", Science, vol. 273, no. 5273, pp. 352-354, Jul-19, 1996 (Abstract)		
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